answer key

Quiz 4
CS 241 Data Organization using C

Fall 2018

1. (2 point) Write two different main method function declarations that take in command line arguments. In each, write the type of `argv`.

   int main (int argc, char** argv): pointer to a char ptr
   int main (int argc, char* argv[]): char pointer array

2. (5 points) Diagram the execution of the following code. You don't need to include the `main` method or the stack/heap.

```
int foo (int x)
{
  if (x<=1)
  {
    return 1;
  }
  return foo(x/2) + foo(x/3);
}
int main(void)
{
  int x = foo(5);
  return 0;
}
```